


**TERGITOL™ NP-40 (70%) Surfactant**

## Product Information

**Chemical  
Description**

Name: Nonylphenol Ethoxylate

Surfactant Type: Nonionic

**Benefits**

- Effective at high temperatures
- Highly water-soluble emulsifier & stabilizer
- Wetting
- Versatile solubility characteristics
- Low odor
- Detergency

**Applications**

- Paper & textile processing
- Paints & coatings
- Agrochemicals

**Typical Physical Properties**

Actives, wt%	70
Diluent	water
Cloud Point <sup>(1)</sup>	>100
HLB <sup>(2)</sup>	17.8
Moles EO	40
Pour Point <sup>(3)</sup>	2
Appearance	Yellow liquid
pH, 1% in 10:6 isopropanol/water	6
Viscosity at 25°C (77°F), cP	1250
Density at 20°C (68°F), g/mL	1.103
Flash Pt, Closed Cup, ASTM D93	None

<sup>(1)</sup> Cloud point: °C, 1 wt% actives aqueous solution

<sup>(2)</sup> HLB Range: <10 w/o emulsifier, > 10 o/w emulsifier, 10-15 good wetting, 12-15 detergents

<sup>(3)</sup> Pour point: °C

**Typical Performance Properties**

CMC <sup>(4)</sup>	232
Surface Tension <sup>(5)</sup>	50
Foam Height <sup>(6)</sup>	123/115

<sup>(4)</sup> Critical Micelle Concentration: ppm at 25°C

<sup>(5)</sup> Surface tension: dynes/cm at 1% actives, 25°C

<sup>(6)</sup> Ross-Miles foam height: mm at 0.1 wt% actives, 25°C, initial / 5 minute

**Solubility and  
Compatibility**

- Soluble in water
- Soluble in chlorinated solvents and most polar solvents
- Chemically stable in the presence of dilute acids, bases and salts
- Compatible with soaps, anionic and other nonionic surfactants, and many organic solvents

**Contact information goes here:**

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